

10 February 2004

STATEMENT OF WORK

FOR

PRODUCTION AND ENGINEERING SUPPORT

FOR THE

RUGGEDIZED PERSONAL COMPUTER / DISPLAY UNIT,

HARDWARE CONFIGURATION ITEM (FS-8606-TDC-A5)

AND FLAT PANEL DISPLAY ASSEMBLY

**Prepared by: Randy Kot
Naval Surface Warfare Center
Crane Division
Code 6071
Crane, IN 47522-5000**

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

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RUGGEDIZED COMPUTER / DISPLAY UNIT,
HARDWARE CONFIGURATION ITEM (FS-8606-TDC-A5)
AND FLAT PANEL DISPLAY ASSEMBLY

PREPARED BY: RANDY KOT

NAVSURFWARCENDIV Crane
Code 6071
Crane, Indiana 47522-5001

Prepared by: *Randy R Kot* Date: 2/10/04
R. Kot, Project Engineer/Lead (NSWC Crane, Code 6071)

Reviewed by: *Eric R. Curiel* Date: 2-10-2004
E. Curiel, Project Engineer (EG&G-Crane)

Reviewed by: *Dave Jebavy* Date: 2/10/04
D. Jebavy, Project Engineer (NSWC Crane, Code 6071)

Reviewed by: *Dennis J Cale* Date: 2/10/04
D. Cale, Logistics Lead (NSWC Crane, Code 6071)

Approved by: *Dennis J Cale acting 6071* Date: 2/10/04
R. Davidoff, Branch Manager (NSWC Crane, Code 6071)

1.0 SCOPE

This Statement of Work (SOW) defines work to be performed by the Contractor for the production and engineering support of Ruggedized Personal Computer / Display Unit (FS-8606-TDC-A5/Ethernet Version) Hardware Configuration Items, spare Flat Panel Display Assemblies, and spare (Copper Only) Cable Assembly Sets. This SOW also includes provisions for program management, and system test and evaluation.

2.0 APPLICABLE DOCUMENTS

The following documents of the revision or issue in effect at the date of the delivery or as otherwise specified herein forms a part of this SOW. In the event of a conflict between the applicable documents and the SOW requirements, the SOW requirement shall prevail.

2.1 Military Standards

MIL-HDBK-1221	Evaluation of Commercial-Off-The-Shelf (COTS) Manuals
MIL-STD-490	Specification Practices
MIL-STD-973	Configuration Management
DOD-STD-2101	Classification of Characteristics

2.2 Other Publications

NAVSEAINST 4160.3	Technical Manual Management Program
PMS415 CMP REV B	Configuration Management Plan for PMS415

2.3 Product Definition

PMS415-TDC-0205 (PFS)	Product Function Specification for Ruggedized Personal Computer/Display Unit Hardware Configuration Item
CR-TDCU-E0001	Engineering Change Proposal (ICD Revision)
CR-TDCU-P0002R1	Engineering Change Proposal (ATX Power Supply Redesign)
CR-TDCU-P0003	Engineering Change Proposal (Flat Panel Display Assembly Cable Access Improvement)

10 February 2004

CR-TDCU-P0004R1	Engineering Change Proposal (AN/WLY-1 (MSAI) Connectivity Conformance)
CR-TDCU-P0005	Engineering Change Proposal (Fiber-Optic Power Budget Solution)
CR-TDCU-P0006	Engineering Change Proposal (Technical Refresh Modification)
CR-TDCU-P0007	Engineering Change Proposal (EQT- Vibration and Shock Update)
1Z496-FS-8606-TDC	FS-8606-TDC (15.7" Nominal FPD & System) Bill of Materials, A4 (FDDI) and A5 (Ethernet) Versions
53711-7294863	Installation Control Drawing Package

3.0 REQUIREMENTS.

The Contractor shall furnish all material, equipment, facilities and labor by qualified personnel except as specified herein to provide the following production related tasks. The Place of Performance for all tasks shall be the Contractor's facilities. The NAVSURFWARCENDIV Crane Code 6071 Technical Point of Contact for these tasks is Mr. Randy Kot.

3.1 Definition of Torpedo Defense Controller (TDC) Production Baseline Configuration

The TDC Production Baseline Configuration shall consist of a Ruggedized Personal Computer / Display Unit fabricated using the specific parts identified in the AP Labs (CAGE 1Z496) FS-8606-TDC-A5 (Ethernet Version) Bill of Materials. This TDC Production Baseline Configuration has been developed from the AP Labs Solid Works Production Model Drawings (supplied by AP Labs as a part of contract no. 990066 (EG&G)), the AP Labs FS-8606-TDC-A3 AutoCAD Cable Assembly Drawings (supplied by AP Labs as a part of contract no. 990066 (EG&G)), the TDC Installation Control Drawing Package (53711-7294863), and Product Function Specification for Ruggedized Personal Computer / Display Unit Hardware Configuration Item (PMS415-TDC-0205 (PFS)). Already reflected in this TDC Production Baseline Configuration [FS-8606-TDC-A5 (Ethernet Version)] are seven (Government) Engineering Change Proposals (identified in paragraph 2.3, Product Definition) which were implemented by retrofit of hardware changes subsequent to AP Labs' delivery of the first (of three) Prototype Ruggedized Personal Computer / Display Units developed under contract no. 990066 (EG&G). Additionally, this TDC Production Baseline Configuration [FS-8606-TDC-A5 (Ethernet Version)] already reflects a redesigned Power Supply Access (PEM Plate) Frames (AP Labs P/N 5118433-1, respectively) which provides mechanical stand-off "dimples"; a redesigned ATX Power Supply (KDK P/N KD275-AP, Version 3.1 or equivalent) which provides component potting and MilSpec resistors; and redesigned metal, gasketing, and cabling components developed under Supplies/Services contract no. N00164-03-M-2642 to resolve mechanical test failures that occurred during Virginia Class Submarine Environmental Qualification Testing (EQT).

3.2 TASK A - Fabrication of Ruggedized Personal Computer / Display Units (FS-8606-TDC-A5)

The Contractor shall fabricate, test and deliver the agreed contract quantity of FS-8606-TDC-A5 RPC/DU's in accordance with the TDC Production Baseline Configuration [FS-8606-TDC-A5 (Ethernet Version)], as defined in paragraph 3.1.

3.3 TASK B - Fabrication of Spare Flat Panel Display Assemblies

The Contractor shall fabricate, test and deliver the agreed contract quantity of spare Flat Panel Display Assemblies (AP Labs P/N 5102738-1) in accordance with the TDC Production Baseline Configuration [FS-8606-TDC-A5 (Ethernet Version)], as defined in paragraph 3.1. This AP Labs assembly reflects the redesign requirements of (Government) Engineering Change Proposal CR-TDCU-P0003 (Flat Panel Display Assembly Cable Access Improvement), and also the redesigned metal and gasketing components developed under Supplies/Services contract no. N00164-03-M-2642.

3.4 TASK C - Fabrication of Spare (Copper Only) Cable Assembly Set

The Contractor shall fabricate, test and deliver the agreed contract quantity of spare (Copper Only) Cable Assembly Sets in accordance with the TDC Production Baseline Configuration [FS-8606-TDC-A5 (Ethernet Version)], as defined in paragraph 3.1. A spare (Copper Only) Cable Assembly Set will consist of a single unit-set of all copper wiring assemblies internal to the FS-8606-TDC-A5 unit, including its integral Flat Panel Display Assembly; fiber-optic cabling assemblies will not be included in this set.

3.5 Program Management Support

The Contractor shall provide a single point of contact to the NAVSURFWARCENDIV Crane Code 6071 CSA MK 2 Branch Manager (Mr. Richard Davidoff) for all efforts related to the planning, organizing, budgeting and direction of the execution of the tasking as set forth in the SOW.

3.6 Monthly Progress Reports

The Contractor shall provide monthly progress and status reports to the Code 6071 Branch Manager, NAVSURFWARCENDIV Crane, in accordance with CDRL A001. The report shall summarize efforts underway, accomplishments and problems encountered, and project funding status.

3.7 Quality Assurance

The Contractor shall establish, implement, document, and maintain a quality system that ensures conformance to contractual requirements and meets, as a minimum, the requirements of the ISO 9000 standards or an equivalent quality system model. A reliable quality control plan must include provisions for maintaining quality of any Subcontractors. In accordance with FAR clause 52.246-2,

the Government reserves the right to perform random sample inspections at the Contractor's performance locations and the Government customers' destination to verify product conformance and customer service.

3.8 Configuration Management

During manufacturing, any condition or characteristic of a FS-8606-TDC-A5 RPC/DU, a spare Flat Panel Display Assembly, and/or a spare (Copper Only) Cable Assembly not in compliance with the product baseline shall be defined as a deficiency. The Contractor shall be responsible for the preparation of Engineering Change Proposals (ECP's) and for all aspects of the implementation of the ECPs required to correct deficiencies. This shall include, but not be limited to, retrofit of all affected FS-8606-TDC-A5 RPC/DU's as defined by the approved ECP. Using the PMS 415 Configuration Management Plan as guidance, the Contractor shall prepare ECP's in accordance with CDRL A002 and Request for Deviation/Waiver (RFD/RFW) in accordance with CDRL A003. Proposed changes shall not cause the FS-8606-TDC-A5 RPC/DU to require any new or additional Virginia Class Submarine Environmental Qualification Testing.

3.8.1 Engineering Change Proposals (ECP's) and Request for Deviation/Waiver's

The Contractor shall submit all ECP's and Request for Deviation/Waiver's in electronic format for review and approval. The format shall be compatible with Adobe Reader (PDF) or in Microsoft Word 2000. The ECP and Request for Deviation/Waiver forms are available in Microsoft Word 2000 format as part of the Technical Data Package.

3.8.2 Class I Engineering Changes

Class I ECP's and major or critical Request for Deviation/Waiver's initiated by the Contractor shall not be implemented unless, and until, approved in writing by the Procurement Contracting Officer (PCO) and/or this contract is modified or a new contract is signed. Pending such approval, the Contractor shall proceed diligently with contract performance without regard to the effect of any such Class I proposed engineering change. The Contractor shall use the PMS 415 Configuration Management Plan as guidance for preparing the engineering change proposal.

3.8.3 Class II Engineering Changes

Each Class II ECP or request for minor Request for Deviation/Waiver initiated by the Contractor shall be forwarded to the Administrative Contracting Officer (ACO), for concurrence/approval in classification in accordance with the requirements stated below. Processing by the ACO, or their representative, shall be accomplished no later than concurrent with the Contractor's formal release of the proposed engineering change. The ACO, or their representative, shall notify the Contractor of concurrence or non-concurrence within fifteen working days. In the event the ACO, or their representative, does not notify the Contractor within fifteen (15) working days, concurrence shall be presumed.

3.8.4 Nonconcurrency/Disapproval

In the event of nonconcurrency/disapproval, the Contractor shall hold further implementation of the proposed Class II ECP within the Contractor's own plant, at no increase in the price of this contract. The Contractor may resubmit it as a Class I ECP or the Contractor may, within five (5) days following the ACO's non-concurrence, request PCO review thereof. The Contractor shall perform as directed by the PCO, and in the event that the Contractor disagrees, an appeal may be filed under the disputes clause of this contract. Pending an appeal, however, the Contractor shall continue to perform pursuant to the PCO's direction.

3.9 Test Program

3.9.1 Factory Acceptance Testing (Production Testing)

Factory Acceptance Testing shall be conducted on each fully assembled and operational FS-8606-TDC-A5 RPC/DU / spare Flat Panel Display Assembly set, and spare (Copper Only) Cable Assembly Set. The Contractor shall prepare a Factory Acceptance Test Plan in accordance with CDRL A004. The Department of Defense document, DOD-STD-2101 may be used for guidance. This test plan shall be submitted to the Government for approval prior to any Factory Acceptance Testing. The Factory Acceptance Testing will then be witnessed by a government representative of the contracting activity to determine acceptance/non-acceptance of each FS-8606-TDC-A5 RPC/DU / spare Flat Panel Display Assembly set, and spare (Copper Only) Cable Assembly Set. The Contractor shall submit a Factory Acceptance Test Report in accordance with CDRL A005 for each individual Factory Acceptance Test event. The Contractor shall provide a Test Scheduling Notice in accordance with CDRL A006 at least five (5) working days prior to the start of individual Factory Acceptance Test events. The Government reserves the right to waive the witnessing of individual Factory Acceptance Test events by a government representative of the contracting activity.

3.10 Documentation Delivered

Additional documents shall be delivered upon completion of the base contract. These documents shall be in accordance with CDRL A007. These documents shall cover all parts not provided as Government Furnished Material (GFM), as defined in paragraph 4.2. The Contractor shall provide NSWC Crane updated versions of the following:

- Bill of Material (BOM)
- Vendor Data Sheets
- Reliability and Maintainability data

4.0 GOVERNMENT FURNISHED ITEMS

4.1 Government Furnished Information.

The Government will provide CSA MK 2 data to the Contractor as Government Furnished Information (GFI). Copies of the documentation identified in paragraphs 2.2 (Other Publications) and 2.3 (Product Definition) will be provided to the Contractor in support of their quoting this SOW's tasking. Additional GFI will be provided when requested by the Contractor, or whenever technical direction issued to the Contractor requires special or specific information from the Government, and shall be interpreted in accordance with their applicable governing documents.

4.2 Government Furnished Material.

The Government will provide, as Government Furnished Material (GFM), a number of parts for each FS-8606-TDC-A5 RPC/DU and spare Flat Panel Display Assembly set. These parts have been identified in the AP Labs (CAGE 1Z496) FS-8606-TDC-A5 (Ethernet Version) Bill of Materials as "GFE" in the "Current Rev." column.

5.0 Data Deliverables.

The CDRLs and cross-references are identified below as the data requirements. These shall be developed as specified by the Data Item Description (DID), DD Form 1664, and delivered in accordance with the CDRL. Data shall be delivered in accordance with the DD Form 1423 as specified by the ACO.

SOW PARAGRAPH	DATA REQUIREMENTS TITLE	ELIN	DID NUMBER
3.6	Contractor's Progress, Status and Management Report	A001	DI-MGMT-80227
3.8	Engineering Change Proposal	A002	DI-CMAN-80639B
3.8	Request for Deviation/Waiver	A003	DI-CMAN-80640B
3.9.1	Acceptance Test Plan	A004	DI-QCIC-80553
3.9.1	Test Report	A005	DI-NDTI-80604
3.9.1	Engineering and Technical Services Accomplishment Report	A006	DI-MGMT-80061A
3.10	Assembly and Subassembly Manufacturing Quality Report	A007	DI-QCIC-80562

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)

Reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR listed in Block E.

CONTRACT LINE ITEM NO.:		D. SYSTEM/ITEM.....:	
EXHIBIT		E. CONTRACT/PR NO.:	
CATEGORY		F. CONTRACTOR.....:	
DATA ITEM NO.: A001			
TITLE OF DATA ITEM: CONTRACTOR PROGRESS, STATUS AND MANAGEMENT REPORT			
SUBTITLE			
AUTHORITY			
CONTRACT REFERENCE: SOW, paragraph 3.6			
REQUIRING OFFICE		9. DIST. STATEMENT REQUIRED.:	12. DATE OF FIRST SUB: 30DAC
DD250 REQ		10. FREQUENCY	13. DATE OF SUBS. SUB.: 10BOM
APP CODE		11. AS OF DATE	
1. DISTRIBUTION		B. COPIES: DRAFT FINAL	
A. ADDRESSEES			
SWCC 6071	Commander, Code 6071 Bldg 2930 R. Lagenour, NAVSURFWARCENDIV, 300 Highway 361, Crane, IN 47522-5001	1	1
SWCC 6071	Commander, Code 6071 Bldg 2930 R. Kot, NAVSURFWARCENDIV, 300 Highway 361, Crane, IN 47522-5001		1
SWCC 6071	Commander, Code 6071 Bldg 2930 R. Davidoff, NAVSURFWARCENDIV, 300 Highway 361, Crane, IN 47522-5001		
15. TOTAL:		1	3

16. REMARKS:

BLOCK 4 - Block 10 of Data Item. Contractor format is acceptable.

BLOCK 14 - Submit Draft report via email in Microsoft Word 2000 document format.

7. PRICE GROUP:		18. ESTIMATED TOTAL PRICE:	
DATA ITEM NO.: A002			
TITLE OF DATA ITEM: ENGINEERING CHANGE PROPOSAL (ECP)			
SUBTITLE			
AUTHORITY			
CONTRACT REF.....: SOW, paragraph 3.8			
REQUIRING OFFICE		9. DIST. STATEMENT REQUIRED.:	12. DATE OF FIRST SUB.: ASREQ
DD250 REQ		10. FREQUENCY	13. DATE OF SUBS. SUB.: ASREQ
APP CODE		11. AS OF DATE	
1. DISTRIBUTION		B. COPIES DRAFT FINAL	
A. ADDRESSEES			
NSWCC 6071	Commander, Code 6071 Bldg 2930 R. Lagenour, NAVSURFWARCENDIV, 300 Highway 361, Crane, IN 47522-5001	1	1
NSWCC 6071	Commander, Code 6071 Bldg 2930 R. Kot, NAVSURFWARCENDIV, 300 Highway 361, Crane, IN 47522-5001	1	1
NSWCC 6071	Commander, Code 6071 Bldg 2930 R. Davidoff, NAVSURFWARCENDIV, 300 Highway 361, Crane, IN 47522-5001		1
15. TOTAL:		2	3

16. REMARKS:

BLOCK 4 - The ECP may be in Contractor format.

BLOCK 7 - Submit one info copy of LT to:
 Commander
 Code 1164 Bldg. 64 ATTN: D. Rhein
 NAVAL SURFACE WARFARE CENTER (NSWC)
 300 HIGHWAY 361
 CRANE, IN 47522-5001
 or electronically to: Rhein_D@crane.navy.mil

BLOCK 8 - The Government will review the ECP for technical, impact, merit and classification of the request, in accordance with (IAW) the requirements of the contract Statement of Work (SOW).

BLOCKS 10, 12 AND 13 - As required (ASREQ), IAW the requirements of the SOW.

BLOCK 14: Draft copy shall be electronic format. The format shall be Microsoft Word 2000 or Adobe Acrobat 5.0 compatible. The electronic draft document shall be emailed to Becky Lagenour and Randy Kot. The email addresses are Lagenour_Becky@crane.navy.mil and Kot_Randy@crane.navy.mil.

Reproducible copy shall be the final typed original.

17. PRICE GROUP:		18. ESTIMATED TOTAL PRICE:	
G. PREPARED BY: John D. Reardanz		I. APPROVED BY: Randal R. Kot	
H. DATE: 17 Feb 2003		J. DATE: 21 Apr 2003	

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)

ic reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR listed in Block E.

CONTRACT LINE ITEM NO.:		D. SYSTEM/ITEM.....:
EXHIBIT		E. CONTRACT/PR NO.:
CATEGORY.....:		F. CONTRACTOR.....:
DATA ITEM NO.: A003		
TITLE OF DATA ITEM: REQUEST FOR DEVIATION/WAIVER (RFD/RFW)		
SUBTITLE		
AUTHORITY: DI-CMAN-80640B		
CONTRACT REFERENCE: SOW, paragraph 3.8		
REQUIRING OFFICE: NSWC, Crane, Code 6071		
DD250 REQ: LT		
APP CODE: A		
9. DIST. STATEMENT REQUIRED.:		
10. FREQUENCY: ASREQ		
11. AS OF DATE		
12. DATE OF FIRST SUB: ASREQ		
13. DATE OF SUBS. SUB.: ASREQ		
B. COPIES: DRAFT FINAL		
DISTRIBUTION A. ADDRESSEES		
SWCC 6071 Commander, Code 6071 Bldg 2930 R. Lagenour, NAVSURFWARCEMDIV, 300 Highway 361, Crane, IN 47522-5001		
SWCC 6071 Commander, Code 6071 Bldg 2930 R. Kot, NAVSURFWARCEMDIV, 300 Highway 361, Crane, IN 47522-5001		
SWCC 6071 Commander, Code 6071 Bldg 2930 R. Davidoff, NAVSURFWARCEMDIV, 300 Highway 361, Crane, IN 47522-5001		
15. TOTAL: 2 3		

REMARKS:

BLOCK 4 - The RFD/RFW may be in Contractor format.

BLOCK 7 - Submit one info copy of LT to:

Commander
Code 1164 Bldg. 64 ATTN: D. Rhein
NAVAL SURFACE WARFARE CENTER (NSWC)
300 HIGHWAY 361
CRANE, IN 47522-5001
or electronically to: Rhein_D@crane.navy.mil

BLOCK 8 - The Government will review the RFD/RFW for technical, impact, merit and classification of the request, in accordance with (IAW) the requirements of the contract Statement of Work (SOW).

BLOCKS 10, 12 AND 13 - As required (ASREQ), IAW the requirements of the SOW.

BLOCK 14: Draft copy shall be electronic format. The format shall be Microsoft Word 2000 or Adobe Acrobat 5.0 compatible. The electronic draft document shall be emailed to Becky Lagenour and Randy Kot. The email addresses are Lagenour_Becky@crane.navy.mil and Kot_Randy@crane.navy.mil.

Reproducible copy shall be the final typed original.

17. PRICE GROUP:		18. ESTIMATED TOTAL PRICE:	
1. DATA ITEM NO.: A004			
2. TITLE OF DATA ITEM : ACCEPTANCE TEST PLAN			
3. SUBTITLE: TEST PLAN			
4. AUTHORITY.....: DI-QCIC-80553			
5. CONTRACT REF.....: SOW, paragraph 3.9.1			
6. REQUIRING OFFICE : NSWC, Crane, Code 6071			
9. DIST. STATEMENT REQUIRED.:			
10. FREQUENCY: OTIME			
11. AS OF DATE			
12. DATE OF FIRST SUB.: 60 DAC			
13. DATE OF SUBS. SUB.:			
B. COPIES DRAFT FINAL			
14. DISTRIBUTION A. ADDRESSEES			
NSWCC 6071 Commander, Code 6071 Bldg 2930 R. Lagenour, NAVSURFWARCEMDIV, 300 Highway 361, Crane, IN 47522-5001			
NSWCC 6071 Commander, Code 6071 Bldg 2930 R. Kot, NAVSURFWARCEMDIV, 300 Highway 361, Crane, IN 47522-5001			
NSWCC 6071 Commander, Code 6071 Bldg 2930 R. Davidoff, NAVSURFWARCEMDIV, 300 Highway 361, Crane, IN 47522-5001			
15. TOTAL: 1 3			

REMARKS:

BLOCK 4 - Block 10 of Data Item. Contractor format is acceptable.

BLOCK 8 - The Government will review the draft plan for technical content and adequacy in accordance with (IAW) the requirements of the contract Statement of Work (SOW).

17. PRICE GROUP:		18. ESTIMATED TOTAL PRICE:	
G. PREPARED BY: : John D. Reardanz		I. APPROVED BY: Randal R. Kot	
H. DATE: 17 Feb 2003		J. DATE: 21 Apr 2003	

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)

The reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR listed in Block E.

CONTRACT LINE ITEM NO.:		D. SYSTEM/ITEM.....:	
EXHIBIT		E. CONTRACT/PR NO.:	
CATEGORY		F. CONTRACTOR.....:	
DATA ITEM NO.: A005			
TITLE OF DATA ITEM: TEST REPORT			
SUBTITLE			
AUTHORITY		9. DIST. STATEMENT REQUIRED.:	
CONTRACT REFERENCE: SOW, paragraph 3.9.1		12. DATE OF FIRST SUB: ASREQ	
REQUIRING OFFICE		13. DATE OF SUBS. SUB.: ASREQ	
DD250 REQ		10. FREQUENCY	
APP CODE		11. AS OF DATE	
DISTRIBUTION		B. COPIES: DRAFT FINAL	
A. ADDRESSEES			
WCC 6071	Commander, Code 6071 Bldg 2930 R. Lagenour, NAVSURFWARCEM DIV, 300 Highway 361, Crane, IN 47522-5001	1	
WCC 6071	Commander, Code 6071 Bldg 2930 R. Kot, NAVSURFWARCEM DIV, 300 Highway 361, Crane, IN 47522-5001	1	
WCC 6071	Commander, Code 6071 Bldg 2930 R. Davidoff, NAVSURFWARCEM DIV, 300 Highway 361, Crane, IN 47522-5001	1	
15. TOTAL:		3	

REMARKS:

BLOCK 7 - Submit one info copy of LT to:
 Commander
 Code 1164 Bldg. 64 ATTN: D. Rhein
 NAVAL SURFACE WARFARE CENTER (NSWC)
 300 HIGHWAY 361
 CRANE, IN 47522-5001
 or electronically to: Rhein_D@crane.navy.mil

BLOCKS 10, 12 AND 13 - Submit the report within ten (10) days after completion of each individual Factory Acceptance Test event, as required (ASREQ).

17. PRICE GROUP:		18. ESTIMATED TOTAL PRICE:	
DATA ITEM NO.: A006			
TITLE OF DATA ITEM : ENGINEERING AND TECHNICAL SERVICES ACCOMPLISHMENT REPORT			
SUBTITLE			
AUTHORITY		9. DIST. STATEMENT REQUIRED.:	
CONTRACT REF.....: SOW, paragraph 3.9.1		12. DATE OF FIRST SUB.: ASREQ	
REQUIRING OFFICE : NSWC, Crane, Code 6071		13. DATE OF SUBS. SUB.: ASREQ	
DD250 REQ		10. FREQUENCY	
APP CODE		11. AS OF DATE	
4. DISTRIBUTION		B. COPIES DRAFT FINAL	
A. ADDRESSEES			
NSWCC 6071	Commander, Code 6071 Bldg 2930 R. Lagenour, NAVSURFWARCEM DIV, 300 Highway 361, Crane, IN 47522-5001	1	
NSWCC 6071	Commander, Code 6071 Bldg 2930 R. Kot, NAVSURFWARCEM DIV, 300 Highway 361, Crane, IN 47522-5001	1	
NSWCC 6071	Commander, Code 6071 Bldg 2930 R. Davidoff, NAVSURFWARCEM DIV, 300 Highway 361, Crane, IN 47522-5001	1	
15. TOTAL:		3	

REMARKS:

BLOCK 7 - Submit one info copy of LT to:
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 NAVAL SURFACE WARFARE CENTER (NSWC)
 300 HIGHWAY 361
 CRANE, IN 47522-5001
 or electronically to: Rhein_D@crane.navy.mil

BLOCKS 10, 12 AND 13 - Submit the (Test Scheduling Notice) report at least three (3) working days prior to the start of each individual Factory Acceptance Test event, as required (ASREQ).

17. PRICE GROUP:		18. ESTIMATED TOTAL PRICE:	
G. PREPARED BY: John D. Reardanz		I. APPROVED BY: Randal R. Kot	
H. DATE: 17 Feb 2003		J. DATE: 21 Apr 2003	

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)

Form Approval OMB No. 0704-0188

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CONTRACT LINE ITEM NO.: D. SYSTEM/ITEM.....:
EXHIBIT: E. CONTRACT/PR NO.:
CATEGORY: F. CONTRACTOR.....:

DATA ITEM NO.: A007
TITLE OF DATA ITEM: ASSEMBLY AND SUBASSEMBLY MANUFACTURING QUALITY REPORT

SUBTITLE:

AUTHORITY: DI-QCIC-80562
CONTRACT REFERENCE: SOW, paragraph 3.10

REQUIRING OFFICE: NSWC, Crane, Code 6071 9. DIST. STATEMENT REQUIRED.: 12. DATE OF FIRST SUB: SEE BLK 16
DD250 REQ: 10. FREQUENCY: OTIME 13. DATE OF SUBS. SUB.:
APP CODE: 11. AS OF DATE

DISTRIBUTION A. ADDRESSEES B. COPIES: DRAFT FINAL

WCC 6071	Commander, Code 6071 Bldg 2930 R. Lagenour, NAVSURFWARCENDIV, 300 Highway 361, Crane, IN 47522-5001	1
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15. TOTAL: 3

REMARKS:

Block 4 - Block 10 of Data Item. Contractor format is acceptable.
Block 12 - Submit final documentation 30 days after completion of the base contract deliveries (prior to Optional CLINs).

PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

DATA ITEM NO.:
TITLE OF DATA ITEM :
SUBTITLE:

AUTHORITY:
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G. PREPARED BY: John D. Reardanz I. APPROVED BY: Randal R. Kot
H. DATE: 17 Feb 2003 J. DATE: 21 Apr 2003